



# FortiADC 60F

# Register for Support

Register your Fortinet product to receive:

- Technical Support
- New product features
- Protection from new threats

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

La reistrazione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalità
- Protezione dalle ultime minacce

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

登録のお願い

本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。

テクニカルサポート・新機能の追加・新しい脅威への防御

请马上注册

您的飞塔产品

您在注册以后才能得到技术支持、新产品特点信息、最新威胁防护



September 11, 2017

20170911

Copyright© 2017 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.

<https://support.fortinet.com>

Toll free: 1 866 648 4638

Phone: 1 408 486 7899

Fax: 1 408 235 7737

Email: [register@fortinet.com](mailto:register@fortinet.com)

## Box Includes



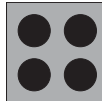
FortiADC 60F



QuickStart Guide



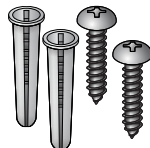
Power Cable



4 Rubber Feet



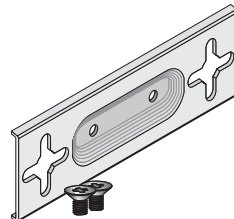
Power Adapter



Wall Mount Hardware



Ethernet Cable



Wall Mount Kit

## Before You Begin

Write down details that you may need from your network administrator or ISP.

### DSL PPPoE

Username

Password

### Cable Modem DHCP

It is normal to not require a hostname but your ISP may require it.

Hostname

### T1/E1, Static broadband, Cable, or DSL with a static IP

IP Address

Subnet Mask

Default Gateway

Primary/Secondary DNS

# 1 Installation

Please read "Cautions and Warnings" prior to installing your device.

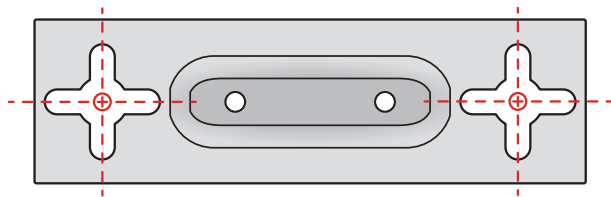
The appliance can be placed on any flat surface with the provided rubber feet, or mounted to a wall with the providing mounting hardware.

## To install the appliance on a flat surface

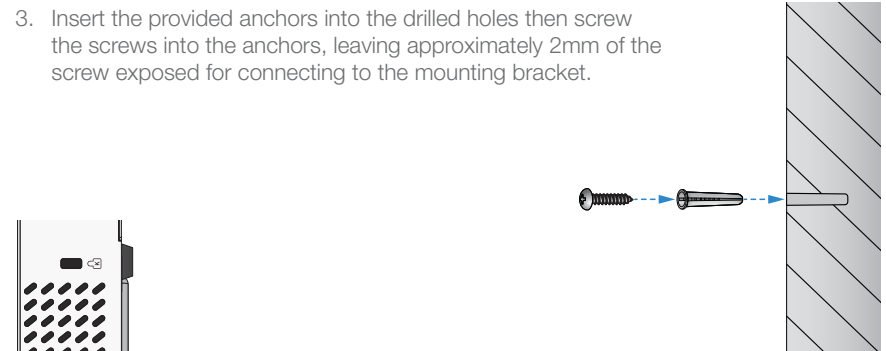
1. Ensure that the surface onto which the appliance to be installed is clean, level, and stable and that there is at least 1.5in (3.8cm) of clearance on all sides to allow for adequate airflow.
2. Attach the provided rubber feet to the bottom of the appliance.
3. Place the appliance in the designated location.
4. Verify that the spacing around the appliance conforms to requirements and that the unit is level.
5. If applicable, attach the antennas to the device.
6. Plug the provided power adapter into the rear of the unit, and then plug the transformer into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU) with the provided power cable.

## To mount the device on a wall

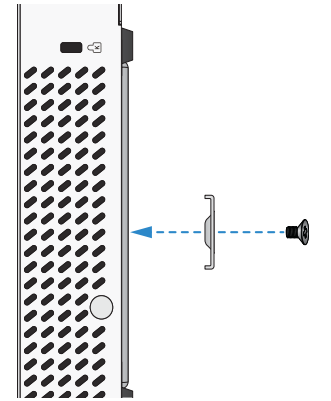
1. Use the mounting bracket to mark the location of the mounting holes on a flat wall surface.
2. Drill the mounting holes in the marked locations.



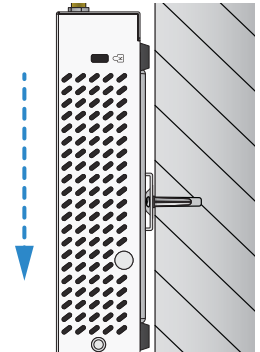
3. Insert the provided anchors into the drilled holes then screw the screws into the anchors, leaving approximately 2mm of the screw exposed for connecting to the mounting bracket.



4. Fasten the mounting bracket securely to the back of the unit using the provided screws.

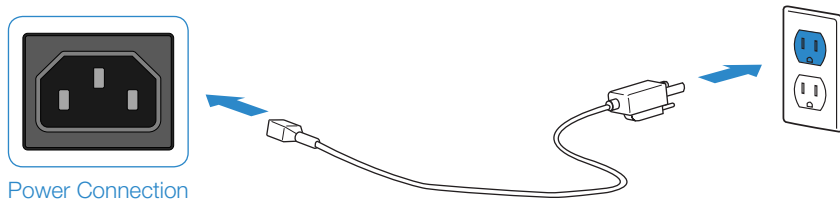


5. Position the device with the attached mounting bracket over the exposed screws in the wall, then slide the device downward to secure it in place.



6. If applicable, attach the antennas to the device.
7. Plug the provided power adapter into the rear of the unit, and then plug the transformer into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU) with the provided power cable.

## 2 Basic Connections



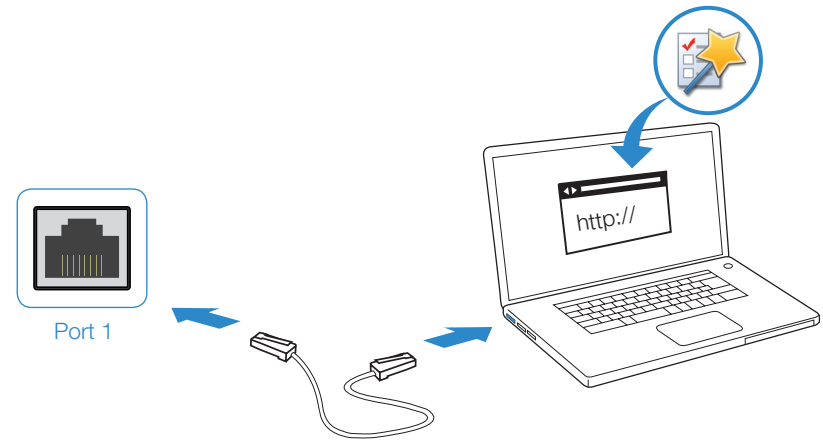
Plug the provided power cable into the rear of the appliance, and then into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

## 3 Setup Options

A Web Browser

B Terminal Emulation

## A Web Browser with Ethernet cable



### To connect to the web UI

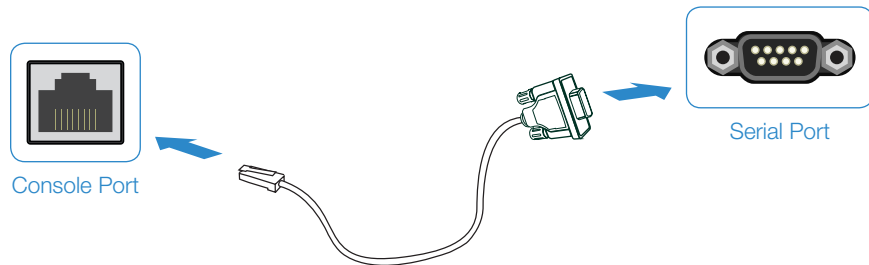
Requires: Microsoft Internet Explorer 9 or higher, the latest version of Mozilla Firefox, Apple Safari 6, or Google Chrome.

1. Using an Ethernet cable, connect the appliance port1 to your computer.
2. Configure your computer to match the appliance management port default subnet. For example, from the Windows 7 Control Panel, go to Network and Sharing Center. Click the [Local Area Connection](#) link, and then click the [Properties](#) button. Select [Internet Protocol Version 4 \(TCP/IPv4\)](#) and then click its [Properties](#) button. Select [Use the following IP address](#), and then enter the following settings:

IP address: 192.168.1.2  
Netmask: 255.255.255.0

3. To connect to the web UI, start a web browser and go to <http://192.168.1.99>.
4. Type [admin](#) in the Name field, leave the Password field blank, and then click [Login](#).

## B Terminal Emulation



### To connect to the CLI

Requires: Terminal emulator such as PuTTY, Tera Term, or a terminal server.

1. Connect the appliance console port to the management computer using the provided console cable.
2. Start a terminal emulation program on the management computer, select the COM port, and use the following settings:

Baud Rate: 9600  
Data bits: 8  
Parity: None  
Stop bits: 1  
Flow Control: None

3. Press **Enter** on your keyboard to connect to the CLI.
4. Login using username **admin** and no password. You can now proceed with configuring your device.

Get started by typing **?** for a list of available commands.

Begin typing a command then type **?** for a list of available ways to complete.  
For example **config ?** shows the lowest level of configuration options.

## Power Connection

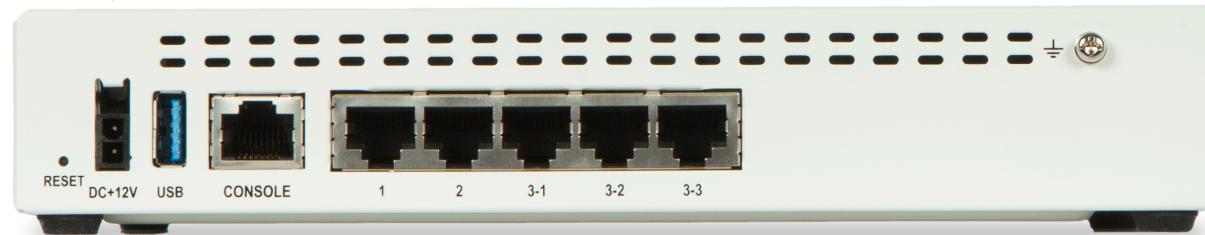
100 – 240 V AC,  
50 – 60 Hz, 5 – 2 A

## USB Port (USB-A)

Reserved for future use.

## Console Port (RJ-45)

RS-232 serial for connection to  
management computer



## Ethernet Port 1 - 2 (RJ-45)

Gigabit Ethernet network connections  
Connect directly to CPU

## Ethernet Port 3-1, 3-2 and 3-3 (RJ-45)

Connect to an internal switch and then goes to CPU  
The total bandwidth of 3-1, 3-2 and 3-3 to CPU is up to 1Gbps



## Power

- Green: The unit is on
- Off: The unit is off

## Status

- Green: Read/write activity
- Flashing Green: Booting up

## Ethernet Ports Link/Activity

- Green: Connected
- Flashing Green: Transmitting & receiving data
- Off: No link established

## Ethernet Port Speed

- Green: Connected at 1Gbps
- Amber: Connected at 100 Mbps
- Off: Connected at 10Mbps or not in use

## Cautions and Warnings

### Environmental Specifications

Ambient operating temperature: 0C to 40C

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)  
Référer à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

### Safety

**Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.**

**Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.**

**警告**  
本電池如果更換不正確會有爆炸的危險  
請依製造商說明書處理用過之電池

This product is intended to be supplied by a Listed Direct Plug-In Power Unit marked LPS or Class 2 and rated 12 Vdc, 3 A.  
Le produit doit être alimenté par un bloc d'alimentation à courant continu homologué UL de 12 Vdc, 3 A nominal marqué LPS ou Class 2.

## Regulatory Compliance

### Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**WARNING:** Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

This Class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### European Conformity (CE) - EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



### Voluntary Control Council for Interference (VCCI) – Japan

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

### Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

### Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:  
<https://www.fortinet.com/bsmi>



## Fortinet Customer Service & Support

Create a support account, register and manage your products, download updates, firmware images and release notes, and create technical support tickets.

<https://support.fortinet.com>

## Fortinet Document Library

Up-to-date versions of Fortinet publications for the entire family of Fortinet products.

<http://docs.fortinet.com>

## Training Services

Course descriptions, availability, schedules, and location of training programs in your area.

<http://www.fortinet.com/support/training.html>

## Technical Discussion Forums

Communicate with other customers and Fortinet partners about Fortinet products, services, and configuration issues.

<https://support.fortinet.com/forum>

## FortiGuard Threat Research and Response

Up-to-date information on vulnerabilities and threats, includes a virus scanner, IP signature look-up, and web filtering tools.

<http://www.fortiguard.com>

## Fortinet Product License Agreement / EULA and Warranty Terms

<https://www.fortinet.com/content/dam/fortinet/assets/legal/EULA.pdf>

**Fortinet.com**